AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-28. (Canceled)

29. (Currently Amended) A lumen occlusion device, said device comprising:

a plug defining a plurality of openings, the plug being configured and dimensioned to occlude flow through the lumen;

a delivery instrument detachably coupled to the plug for moving the plug to a selected location in the lumen; and

a biological bonding agent for being moved through the openings.

30. (Original) The lumen occlusion device of claim 29, wherein the bonding agent comprises a biphasic material.

31. (Original) The lumen occlusion device of claim 29, wherein the bonding agent comprises a biosorbable material.

32. (Original) The lumen occlusion device of claim 30, wherein the biphasic material is biosorbable.

33. (Original) The lumen occlusion device of claim 29, wherein the bonding agent is a shape memory material.

34. (Currently Amended) A method of occluding a body lumen, the method comprising the steps of:

providing a device comprising a plugging means adapted for occluding flow through the body lumen and a delivery means, wherein the plugging means has a plurality of openings and the delivery means is detachably coupled to the plugging means;

inserting said device into the body lumen with the plugging means entering the lumen first;

advancing said device through said body lumen to a target site;

injecting a biphasic material into the delivery means and conveying the biphasic material to the plugging means;

moving said biphasic material through the openings of said plugging means to fix said plugging means relative to the interior wall of said body lumen;

detaching the delivery means from said plugging means; and

withdrawing said delivery means from said body lumen, leaving said plugging means inside said body lumen.

35. (Original) The method of claim 34, wherein the biphasic material comprises a biosorbable material.

36. (Original) The method of claim 34, wherein the biphasic material is a shape memory material.

37. (Original) The method of claim 36, wherein the biphasic material is biosorbable.